

- PC 104 8-Bit Industrial PC Interface to two independent CAN buses
- Functionally identical to the Bitworks CA-2 PC AT card
- On board processing and buffering to provide automated transmission and reception of CAN messages
- Extensive C libraries for Windows 95/98/2k/NT & XP to support embedded CAN applications

The Bitworks CAN CA2-104 Industrial Controller Card provides two independent CAN bus interfaces. Using two Intel 82527 CAN Controllers the CAN interface is fully compliant with CAN physical layer ISO 11898 Part 2.0B. The Bitworks CAN Controller has high speed on board data processing and i/o fifo's to ensure a fast response to CAN bus events and low latency on remote frame data access. An extensive library (DLL) of functions is supplied with example code to support user embedded CAN applications.

CAN Bus Application

- Central CAN Controller function
- CAN Bus Monitor/Analyser
- CAN test message generator for electrical physical layer testing
- Interface/Bridge between two CAN systems
- Emulation of a single CAN Node
- Emulation of a CAN system for testing a single Node

PC 104 Interface

Mechanical:
Std. PC 104 Dimensions (L 98mm H 90mm)

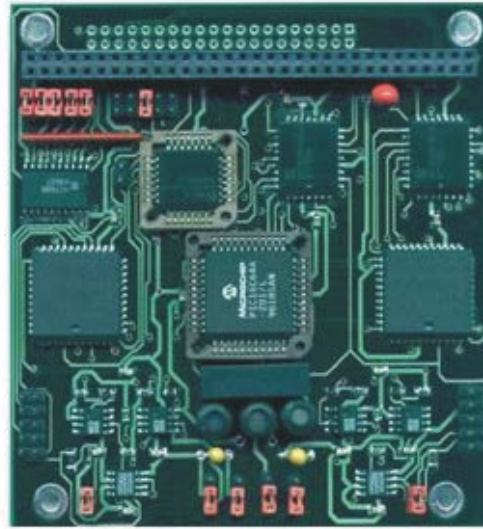
Electrical:

Power Consumption < 5 Watts
8 Bit ISA Card
IRQ 3,4,5,7,9 - Jumper Selectable
I/O base address range 300-378h - memory map of 4 locations

Ambient Operation: 0..+ 70 C
Temperature Storage: -40..+ 125 C
Recommended PC Hardware: IBM PC AT or 100% Compatible, 486/Pentium Processor, 4MB Ram minimum

Pricing GBP 250.00 EUR 360.00

Bitworks Design & Consultancy
www.bitworks.co.uk

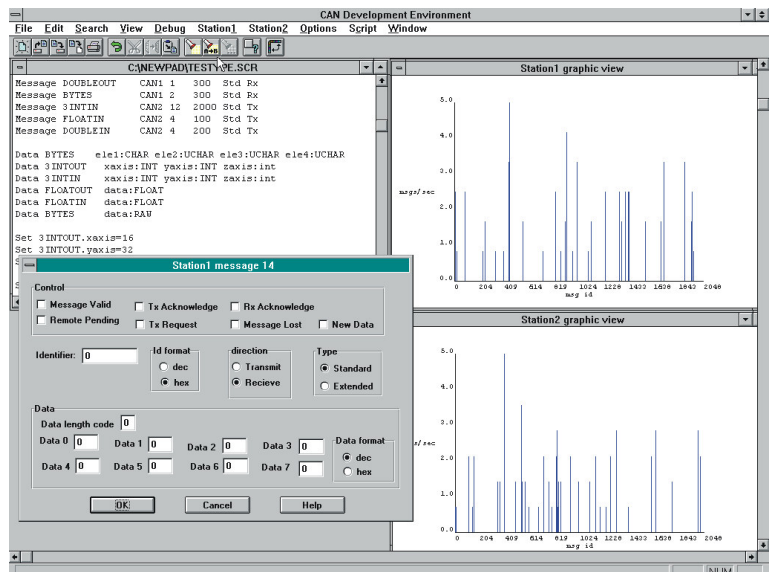


CAN Controller Software (Win95/98/2k/NT & XP)

CAN Development Environment (CANDE)
CAN Message Script Language, Message creation, transmission and reception, data formatting & conditionals.
CAN Hardware Configuration.
Host for CANMON.

CAN MONitor (CANMON) (Win95/98/2k/NT & XP)

Full CAN bus Monitoring, time stamped data logging of CAN Data, Remote & Error Frames.
Graphical CAN message display. Message Trace facilities, filtering and masking.
Message Analysis and Statistics.



CAN Bus Interface

Two CAN ports to ISO 11898 Part 2.0B, both configurable to high speed opto-isolated CAN CiA specification.

Direct access to the Intel 82527 CAN controller Tx & Rx signals via the bus connector. On board data processing (PIC 16C64 @ 20mhz) & bi-directional buffers. Support for Standard (11Bit) & Extended (29 Bit) Identifiers. Connectors 2 * 9 pin D types to CiA Specification.